

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2015
 DateRun: 05/21/2015
 Experimenters: James Keats
 ClientType: Cleaning Equipment Mfr
 ProjectNumber: Project #1
 Substrates: Vinyl Composite Tiles
 PartType: Coupon
 Contaminants: Food
 Cleaning Methods: Mechanical Agitation
 Analytical Methods: Visual

Purpose: To provide a basis with which to compare the effectiveness of the Braava unit to competitors.

Experimental Procedure: Apply soil to 4' X 4' clean vinyl floor, spreading 1g of soil onto even numbered tiles with a swab and odd tiles by dripping 1g of soil onto them (16g per floor). Allow the floor to dry for 48h. The tester then cleans the floor using paper towels and a spray bottle filled with water, beginning by the 1st tile. Tester continues to clean until they feel they have finished. The time it takes for the tester to clean the floor is recorded.

To evaluate total soil removal, a visual observation will be made. This observation will be an estimation of the % soil removed from each tile by comparing before and after pictures of the floor. In addition to this, observers will also be asked to rate the overall cleanliness of the floor from 1-5 (1 being no soil remaining).

Tile numbers

4	5	6	7
3	14	15	8
2	13	16	9
1	12	11	10

^^^

Tester starts standing here

Results: Cleaning time: 85 seconds

Percent removal Trial 1

Observer 1 - rating: 1

95%	100%	100%	100%
100%	100%	100%	100%
100%	100%	100%	100%
100%	100%	100%	100%

Observer 2 - rating: 1

100%	100%	100%	100%
100%	100%	100%	100%
100%	100%	100%	100%
100%	100%	100%	100%

Observer 3 - rating: 1

100%	100%	100%	100%
100%	100%	100%	100%
100%	100%	100%	100%
100%	100%	100%	100%

Cleaning time: 88 seconds

Percent removal Trial 2

Observer 1 - rating: 1

100%	100%	100%	100%
100%	100%	100%	100%

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100%	100%	100%	100%
100%	100%	100%	100%

Observer 2 - rating: 1.5

100%	100%	100%	100%
100%	100%	100%	100%
100%	100%	100%	100%
100%	100%	100%	100%

Observer 3 - rating: 1

100%	100%	100%	100%
100%	100%	100%	100%
100%	100%	100%	100%
100%	100%	100%	100%

Summary:

Substrates:	Vinyl Composite Tiles				
Contaminants:	Food				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Water	Water			<input checked="" type="checkbox"/>	

Conclusion:

Manual cleaning of floor cleaned the floor more completely than the Braava unit.